

## **Total phenols and Flavonoids contents of Aromatic herb and medicinal specie of Lamiaceae (Overview)**

**Nour-el-Houda Hamoud<sup>a,b</sup>, Zineb Maammeri<sup>b</sup>**

<sup>a</sup>Department of Animal Biology, Faculty of Nature and Life Sciences Mentouri Brothers University Constantine1, Algeria.

<sup>b</sup>Laboratory of Pharmacology and Toxicology, Institute of Veterinary Sciences, Mentouri Brothers University Constantine1, Algeria.

**Email: [houdanoor31@yahoo.fr](mailto:houdanoor31@yahoo.fr)**

This study aims to investigate the total phenols and flavonoids contents of eight hydroalcoholic extracts obtained from leaves and stems of medicinal plant belong of Lamiaceae family. The Folin-Ciocalteu method was used to determine the total phenols content while flavonoids were estimated according to the aluminum chloride colorimetric method. The amounts of TPC were very high in the ethyl acetate and chloroform from leaves;

chloroform and ethyl acetate from stems. But the TFC were very elevated only in the ethyl acetate extracts from leaves and stems. This medicinal plant which belongs of Lamiaceae family collected from eastern Algeria possesses significant levels of TCP and TFC.

**Keywords:** Lamiaceae/ medicinal herb/ Total Phenols Contents/ Total Flavonoids Contents